

Memorandum

Re: Revisions to the Washington State Inventory and Forecast, July 2007

Date: July 19, 2007

Revisions since the April 2007 draft

Based on input from the CAT and TWGs, and further analysis of available data, several revisions have been made to *Washington State Climate Advisory Team Greenhouse Gas Inventory and Reference Case Projections, 1990-2020* since the April 2007 draft. These include:

- **Consumption-based electricity emissions:** State agencies are continuing to collect and analyze data in order to develop estimates for the 1990-1999 period, prior to the state's fuel mix reporting requirement. In the meantime, provisional estimates for this period have been developed; these are based on emissions from in-state electricity production during those years plus the average emissions from *net* electricity imports during the 2001-2005 period (years for which fuel mix disclosure data are available). In addition, fuel mix disclosure data were incorporated for years 2000-2002. As noted below, these estimates are still undergoing revision, and will likely be updated again in the coming months.
- **Waste management emissions.** Emissions estimates for solid waste and wastewater management, not available at the time of the April 2007 draft, are now included.
- **Agriculture emissions.** A computational error was rectified for the emissions forecast.
- **Marine emissions.** New data available from the Puget Sound Maritime Air Forum inventory was used to update the marine emissions estimates.
- **Transportation emissions.** Motor gasoline consumption data from the Washington Department of Licensing fuel receipts is now used in lieu of data from USDOE.
- **Editorial improvements,** in response to suggestions by CAT and TWG members.

These modifications are described in more detail in the revised report.

Additional work in progress

Several additional revisions are in progress, including:

- **Consumption-based electricity emissions:** As noted above, historical estimates are still under development.

- **Projections of electricity emissions.** Pending receipt and review of recent regional projections, projections for electricity consumption and production emissions may be revised.
- **Forestry and land use emissions and sinks:** More detailed estimates have been obtained and are currently under review by the Forestry TWG. These estimates yield the same totals shown in this appendix and reveal trends in carbon fluxes in the East- and West-sides of the state on National and non-National Forests. In addition, the overall results are pending further review and discussion of the methodology by the TWG